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UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventor: Masayuki HOSHINO et al. Group Art Unit: 2819  
Appln. No.: 10/549,615 Examiner: L. V. Nguyen  
Filed: September 20, 2005  
For: CODING APPARATUS AND CODING METHOD

CERTIFICATION UNDER 37 CFR §1.97(e) (1)

Assistant Commissioner of Patents  
Washington, DC 20231

Dear Sir:

In fulfillment of 37 CFR 1.97(c) (1) and 1.97(e) (1), it is hereby certified that each item of information contained in the attached Information Disclosure Statement was first cited in any communication (see the attached copy of a European Search Report dated April 11, 2006) from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

Respectfully submitted,

James E. Ledbetter  
Registration No. 28,732

Date: May 17, 2006

JEL/jpf

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents  
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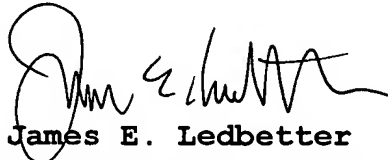
Dear Sir:

Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the documents listed on the attached Form PTO 1449. Attached is an European Search Report dated April 11, 2006.

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106. Applicants respectfully request that this art be expressly considered during the prosecution of this application and made of record herein and

appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,



James E. Ledbetter  
Registration No. 28,732

Date: May 17, 2006

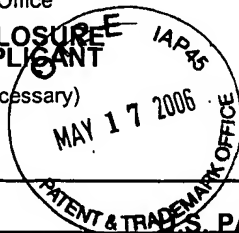
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FORM PTO-1449 U.S. Department of Commerce  
(Rev. 4/92) Patent and Trademark Office

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)



ATTY. DOCKET NO.

L9289.05173

SERIAL NO.

10/549,615

APPLICANT

Masayuki HOSHINO, et al.

FILING DATE

September 20, 2005

GROUP

2819

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2002 1 2 6 7 6 3	09/2002	Jeong, et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
1 5 0 3 5 3 5	02/2005	EP			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

European Search Report dated April 11, 2006.

A. TONELLO: "MIMO MAP Equalization and Turbo Decoding in Interleaved Space-Time Coded Systems", INTERNET ARTICLE, XP002374154, <http://primo.ismb.it/firb/docs/TCOM2003.pdf>, pages 155-160, February 2003.

J. KUSUMA: "A Simple Coded-Modulation Approach to Multi-Antenna Systems", INTERNET ARTICLE, XP002374155, [http://www.mit.edu/~kusuma/Papers/ciss2002\\_codedmodulation.pdf](http://www.mit.edu/~kusuma/Papers/ciss2002_codedmodulation.pdf), pages 1-5, Mar. 1, 2002.

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.